

# DERIVENT PUBLICATIONS LTD

= JP 61-17542 B

<p>88113 D/48 NIPPON SHOKUBAI KAGAKU 25.03.80-JP-036845 (17.10.81) A41b-17 A611-15 B011-20/26 C09K-17 Water absorbent compsn. - comprising water-swellaible resin powder body having bridged structure and hydrophobic ultra microparticle silica</p>	<p>A96 D22 P21 P34 (A18) JAPC 25.03.80 *J5 6133-028 A(8-S8, 9-A) D(9-C6) an acrylate-acrylamide co-polymer crosslinked body, and/or a hydrolysis product of a poly-acrylonitrile crosslinked body. (5pp/W55).</p>
<p>A water absorbent compsn. is claimed which consists of (A) a water swelling resin powder body having a cross-linked structure and (B) a hydrophobic ultra micro particle silica with ave. particle size of <math>\leq 0.05\mu</math> and specific BET surface area <math>\geq</math> ca 50 m<sup>2</sup>/g. 0.05 - 5 wt parts of (B) are used per 100 wt. pts. of (A).</p>	
<p><u>USE/ADVANTAGE</u> Esp. when it is used as powder shape water absorbent, the compsn. shows good flowability (as powder body), no decrease of working ability caused by tacky adhesion (when it has absorbed water) and improved water absorption and maintaining ability.</p>	
<p><u>MATERIALS</u> Material (A) is a starch-acrylate graft polymer, a poly-acrylate crosslinked polymer, an acrylate-acrylate ester co-polymer crosslinked body, an acrylate ester-vinyl acetate co-polymer crosslinked body saponification prod.,</p>	

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